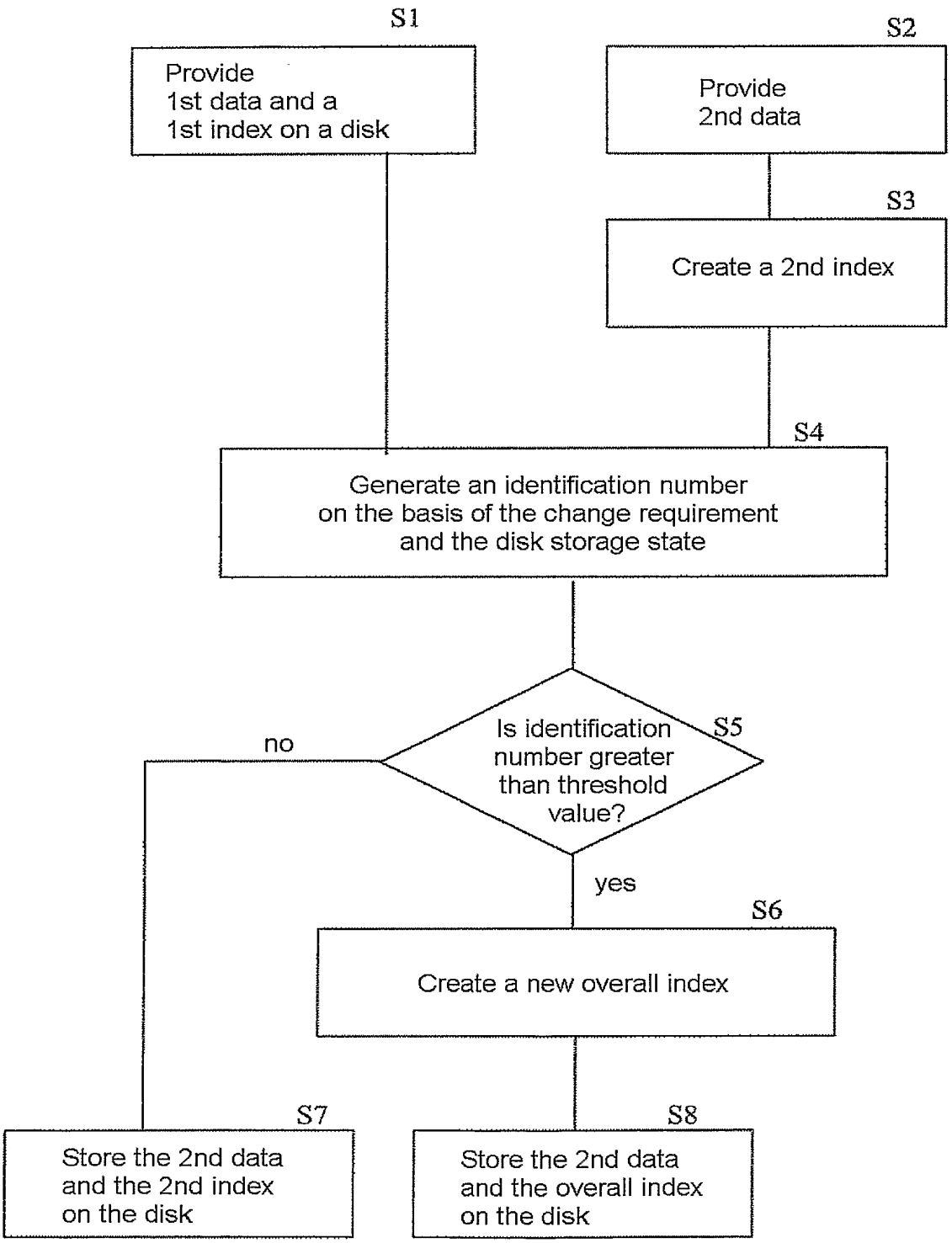
S1
Provide
1st data and a
1st index on a disk
S2
Provide
2nd data
S3
Create a 2nd index
S4
Generate an identification number
on the basis of the change requirement
and the disk storage state
S5
Is identification
number greater
than threshold
value?
no
yes
S6
Create a new overall index
S7
Store the 2nd data
and the 2nd index
on the disk
S8
Store the 2nd data
and the overall index
on the disk